

AMENDMENTS TO THE SPECIFICATION

Please replace Paragraph **[0016]** with the following paragraph:

[0016] The capacitance meter is communicatively connected to a computer based subsystem 34 adapted to perform computations, execute algorithms and display data and information such as the measured thickness d of the coating 14. In a preferred embodiment, the computer based subsystem 34 includes a processor 38 adapted to execute all functions of the computer based subsystem 34, at least [[on]] one electronic memory device 42 and a display 46. The electronic memory device can be a computer readable medium adapted to electronically store data, for example, a hard drive, a floppy disk, a zip disk, EEPROM and flash memory.